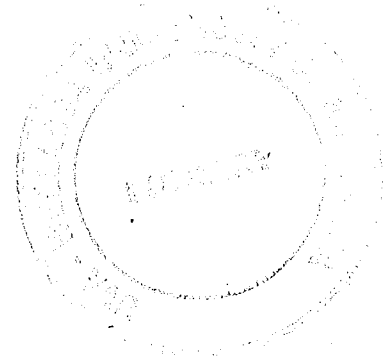


Uva Wellassa University, Sri Lanka
Btech. Science and Technology
End Semester Examination- Semester 1
December -2008



BIO 318-1 Food Storage and Packaging Technology

Part B

02. Food packaging is a combination of art, science and technology; role of which is not merely to satisfy visual sense of the buyer through its artistic appearance. It has a diverse role in the arena of food industry. Hence, explain how a packing material positively contributes to reinforce the requirements of a food product in the dynamic market.

(25 Marks)

03. Water transmission ratio of a packing material is an important parameter in deciding shelf-life of hygroscopic food products. Explain how would you going to determine shelf-life of hygroscopic food products, packed with different types of packing materials under different relative humidity levels.

(25 Marks)

04. Assumed, that you have been appointed as an advisor for a particular region, where three categories of food manufacture small scale, medium scale and large scales are operational. Explain how you would advise them in order to select appropriate packing material for their food products in terms of moisture barrier and shelf-life, while taking into account of their financial status.

(25 Marks)

05. A biscuit manufacturer wants to add a value to his hygroscopic food products through the process of packing. Explain how he can achieve his objective in terms of moisture barrier, clarity and visual art of the packing material.

(25 Marks)